

DOCKET NO.: PRD-0004 (ORT-1224)
Application No.: 09/548,648
Office Action Dated: January 10, 2003

PATENT
REPLY FILED UNDER EXPEDITED
PROCEDURE PURSUANT TO
37 C.F.R. § 1.116

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously amended) A method for the purification of antigen specific T cells, comprising:

- a) contacting a MHC class I protein-fluorescent protein fusion molecule or a radiolabeled MHC class I protein bound to a specific antigen with a population of T cells;
- b) incubating the MHC class I protein bound to the specific antigen together with the population of T cells for a period of time sufficient for the T cells to internalize the MHC class I protein from the T cell surface; and
- c) identifying the T cells that have internalized the MHC class I protein-fluorescent protein fusion molecule or the radiolabeled MHC class I protein.

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2. (Canceled)

3. (Previously amended) The method of claim 1, wherein said fluorescent protein is green fluorescent protein.

4. (Canceled)

5. (Previously amended) The method of claim 1, wherein the identifying of the T cells that have acquired the MHC class I molecule protein-fluorescent protein fusion

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molecule is done by detecting fluorescence emission of the fluorescent protein fusion

molecule.

E,
6. (Previously amended) The method of claim 1, wherein the identifying of the T
cells that have internalized the MHC class I molecule protein-fluorescent protein fusion
molecule is done by detecting fluorescence emission of the fluorescent protein fusion
molecule in a fluorescence activated cell sorter.
